TECHNICAL EXHIBIT

IN SUPPORT OF PETITION FOR RECONSIDERATION IN MB DOCKET NO. 87-268
ADVANCED TELEVISION SYSTEMS AND THEIR IMPACT UPON THE
EXISTING TELEVISION BROADCAST SERVICE
TELEVISION STATION WHEC
ROCHESTER, NEW YORK

Technical Exhibit

This technical exhibit was prepared in support of the Petition for Reconsideration for television (TV) station WHEC. WHEC operates on channel 58 digital television (DTV), and channel 10 analog (NTSC) television at Rochester, New York. WHEC has been ordered back to its analog channel 10 for post-transition DTV operation. WHEC intends to operate with its existing analog antenna for post-transition DTV operation. As WHEC's analog antenna is non-directional (ND) and its channel 10 DTV alloment has a directional antenna (DA), there is an antenna pattern mismatch.

Therefore, for station WHEC to serve the area encompassed by its analog Grade B coverage contour, using its analog non-directional antenna with a radiation center of 301 meters above mean sea level (AMSL), it must operate with an effective radiated power (ERP) of 10.5 kilowatts and antenna height above average terrain (HAAT) of 152 meters. Such operation will not cause more than 0.1% interference, compared to its present post transition DTV allotment, to any other allotment. Attached as Figure 1 is a coverage map showing the herein proposed post-transition facility does not have a noise-limited contour extending beyond its Grade B analog contour.

Page 2 Rochester, New York

Proposed WHEC Channel 10 Post Transition DTV Table of Allotment Parameters

It is requested that the Commission modify the proposed Appendix B DTV Table of Allotment specifications to the following:

Facility	S	tate & City	NTSC	DTV								
ID			Chan	Chan	ERP	HAAT	Antenna	Latitude	Longitude	Area	Population	Percent
					(kW)	(m)	ID	(DDMMSS)	(DDDMMSS)	(sq	(thousand)	IX
										km)		Received
70041	NY	Rochester	10	10	10.5	152	N/D	430807	773502	20141	1,202	0.0

Certification

WHEC certified on its FCC Form 381, Pre-Election Certification Form 1 , that it will operate its post-transition DTV station pursuant to replication. From Commission's published Table II of 1998 Station NTSC and DTV Replication Information, the initial channel 58 WHEC DTV replication facility served 1,221,326 persons over an area of 20,745 km². These values compare with the herein proposed post-transition facility which serves 1,202,000 persons over an area of 20,141 km².

It is furthermore noted that the proposed channel 10 post-transition allotment does not create interference in excess of 0.1 to other post-transition stations based upon the 2000 Census. Figure 2 is a tabulation of the allocation study performed for the Channel 10 post-transition facility.

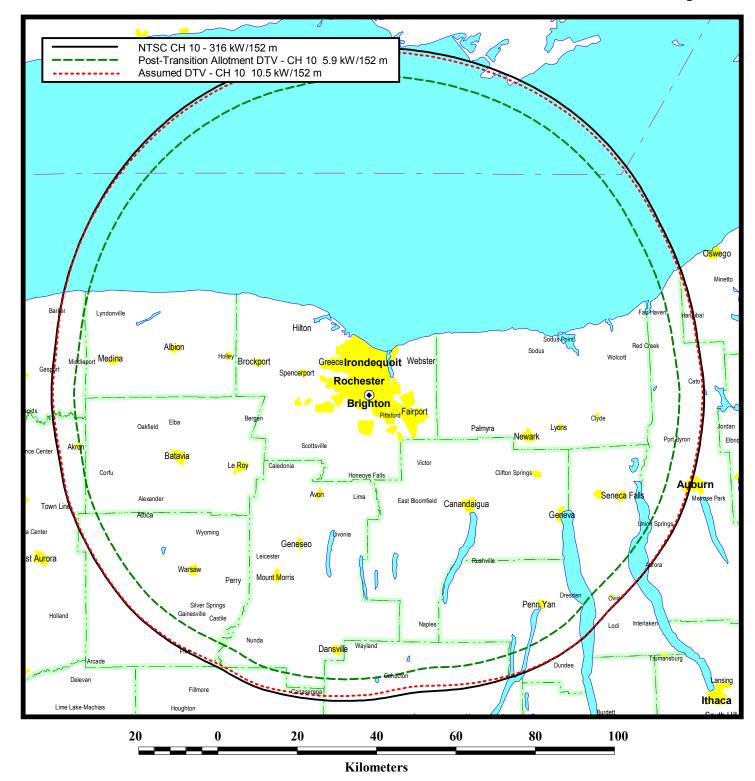
John A. Lundin

du Treil, Lundin & Rackley, Inc. 201 Fletcher Avenue Sarasota, Florida 34237 941.329.6000 JOHN@DLR.COM

October 25, 2007

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¹ See FCC File Number: BCERCT-20041105AUD.



PREDICTED COVERAGE CONTOURS

STATION WHEC-TV ROCHESTER, NEW YORK

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

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TELEVISION STATION WHEC ROCHESTER, NEW YORK

OET-69 Analysis

Census data selected 2000

Post Transition Data Base Selected /export/home/cdbs/tvdb.sff_G TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-23-2007 Time: 17:18:15

Record Selected for Analysis

WHEC-TV USERRECORD-01 ROCHESTER NY US Channel 10 ERP 10.5 kW HAAT 152. m RCAMSL 00301 m Latitude 043-08-07 Longitude 0077-35-02

Status APP Zone 1 Border Last update Cutoff date Docket

Comments Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth	ERP	HAAT	36.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	10.500	195.9	86.5
45.0	10.500	189.7	86.0
90.0	10.500	164.8	84.1
135.0	10.500	139.9	81.3
180.0	10.500	110.1	75.2
225.0	10.500	131.9	80.0
270.0	10.500	129.7	79.6
315.0	10.500	163.2	83.9

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountian

Proposed facility is within the Canadian coordination distance Distance to border = 55.9km

Proposed facility is beyond the Mexican coordination distance

Proposed station is 3.02km from AM station

ROCHESTER NY WWWG Status: L Antenna: DAN

Start of Interference Analysis

Proposed Station

Call City/State WHEC-TV ROCHESTER NY Channel 10

USERRECORD01

ARN

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	on Ref. No.
10	WTNH	NEW HAVEN CT	425.8	LIC	BLCDT	-20040701AEC
10	WOIO	SHAKER HEIGHTS OH	390.0	LIC	BLCDT	-19991110AAR
10	WHTM-TV	HARRISBURG PA	317.8	CP	BPRM	-20010514ABX

Analysis of Interference to Affected Station 1

Analysis of current record Channel Call City/State 10 WTNH NEW HAVEN CT Application Ref. No. BLCDT -20040701AEC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	on Ref. No.	
09	WEDN	NORWICH CT	66.2	CP	BMPEDT	-20031008AAT	
09	WMUR-TV	MANCHESTER NH	206.6	LIC	BLCDT	-19990927ABC	
10	WWDP	NORWELL MA	171.1	CP	BSRCCT	-20060403BRS	
10	WCBB	AUGUSTA ME	386.9	CP	BDTV	-00000064	
10	WHTM-TV	HARRISBURG PA	357.9	CP	BPRM	-20010514ABX	
11	WWLP	SPRINGFIELD MA	76.4	CP MOD	BMPCDT	-20010926ABO	
11	WPIX	NEW YORK NY	119.0	LIC	BLCT	-810826KH	
10	WHEC-TV	ROCHESTER NY	425.8	APP	USERRECORI	0-01	
Prop	Proposal causes no interference						

Analysis of Interference to Affected Station 2

Analysis of current record

Channel Call City/State Application Ref. No. 10 WOIO SHAKER HEIGHTS OH BLCDT -199911 BLCDT -19991110AAR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	on Ref. No.	
09	WTOV-TV	STEUBENVILLE OH	147.1	CP MOD	BMPCDT	-20020408AAK	
10	WILX-TV	ONONDAGA MI	265.3	CP	BDTV	-00000078	
10	WCPO-TV	CINCINNATI OH	346.1	CP	BDTV	-00000060	
10	WHTM-TV	HARRISBURG PA	416.3	CP	BPRM	-20010514ABX	
10	WVFX	CLARKSBURG WV	258.7	CP MOD	BMPCDT	-20020930AAV	
10	WSWPTV	GRANDVIEW WV	392.7	LIC	BLET	-830831KF	
11	WTOL	TOLEDO OH	143.7	LIC	BLCDT	-20031103ABR	
11	WPCW	JEANETTE PA	195.1	CP	BPCDT	-20060510AAI	
10	WHEC-TV	ROCHESTER NY	390.0	APP	USERRECORI	D-01	
Prop	Proposal causes no interference						

Analysis of Interference to Affected Station 3

Channel Call City/State Application Ref. No. 10 WHTM-TV HARRISBURG PA BPRM -20010514ABX Stations Potentially Affecting This Station Chan Call City/State Dist(km) Status Application Ref. No. 152.2 LIC BLCDT -20040206AAS 09 WUSA WASHINGTON DC 130.7 CP MOD BMPCDT -20030522ADF 357.9 LIC BLCDT -20040701AEC 416.3 LIC BLCDT -19991110AAR WBPH-TV BETHLEHEM PA 09 WTNH NEW HAVEN CT WOIO SHAKER HEIGHTS OH 10 CLARKSBURG WV 310.9 CP MOD BMPCDT 112.0 LIC BLCDT 132.3 CP MOD BMPCDT 10 WVFX -20020930AAV WBAL-TV BALTIMORE MD -20020422AAR -20000501ACL 11 WBRE-TV WILKES-BARRE PA 11 10 WHEC-TV ROCHESTER NY 317.8 APP USERRECORD-01 Total scenarios = 1 Result key: 1
Scenario 1 Affected station 3 Before Analysis Results for: 10A PA HARRISBURG BPRM 20010514ABX CP HAAT 346.0 m, ATV ERP 14.0 kW within Noise Limited Contour 2643930 26062 (sq km) not affected by terrain losses 2197401 22613.2 lost to NTSC IX 0.0 Ω lost to additional IX by ATV 12196 241.0 lost to ATV IX only 12196 241.0 lost to all IX 12196 241.0 Potential Interfering Stations Included in above Scenario 10A CT NEW HAVEN BLCDT 20040701AEC LIC 10A WV CLARKSBURG BMPCDT 20020930AAV CP 11A MD BALTIMORE BLCDT 20020422AAR LIC 11A PA WILKES-BARRE BMPCDT 20000501ACL CP After Analysis Results for: 10A PA HARRISBURG BPRM 20010514ABX CP HAAT 346.0 m, ATV ERP 14.0 kW within Noise Limited Contour 2643930 26862.0 not affected by terrain losses 2197401 22613.2 lost to NTSC IX 0 0.0 12285 lost to additional IX by ATV 245.0 lost to ATV IX only 12285 245.0 lost to all IX 12285 245.0 Potential Interfering Stations Included in above Scenario 1 10A CT NEW HAVEN BLCDT 20040701AEC LIC 10A WV CLARKSBURG 20020930AAV CP BMPCDT 20020422AAR LIC 11A MD BALTIMORE BLCDT 11A PA WILKES-BARRE BMPCDT 20000501ACL CP 10A NY ROCHESTER USERRECORD01 Percent new TX = 0.0041% Worst case new IX 0.0041% Scenario Analysis of Interference to Affected Station 4 Analysis of current record

ROCHESTER NY Stations Potentially Affecting This Station

Channel Call City/State

WHEC-TV

10

Application Ref. No.

USERRECORD-01

Chan	Call	City/State	Dist(km)	Status	Applicat	tion Ref. No.
10	WTNH	NEW HAVEN CT	425.8	LIC	BLCDT	-20040701AEC
10	WOIO	SHAKER HEIGHTS OH	390.0	LIC	BLCDT	-19991110AAR
10	WHTM-TV	HARRISBURG PA	317.8	CP	BPRM	-20010514ABX

Total scenarios = 1

Result key: 2
Scenario 1 Affected station 4

Before Analysis

Results for: 10A NY ROCHESTER USERRECORD01 APP HAAT 153.0 m, ATV ERP 10.5 kW POPULATION AREA (sq km)

within Noise Limited Contour	1239227	21215.1
not affected by terrain losses	1202393	20141.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	32	4.0
lost to ATV IX only	32	4.0
lost to all IX	32	4.0

Potential Interfering Stations Included in above Scenario 1

10A PA HARRISBURG BPRM 20010514ABX CP

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